

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

SHOP DRAWINGS - WHEN SUBMITTING SHOP DRAWINGS FOR THIS PROJECT TO THE DOT, SUBMIT THEM TO THE OFFICE OF MAINTENANCE - BRIDGES.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES $\frac{3}{4}$ " UNLESS OTHERWISE NOTED.

CONCRETE REMOVAL - SEE SPECIAL PROVISIONS.

CONCRETE OVERLAY - SEE SPECIAL PROVISION - SECTION 519 - "FAST TRACK PORTLAND CEMENT CONCRETE OVERLAY WITH HYDRODEMOLITION".

PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 31'-0" ABOVE THREE KNOTCH ROAD.

TEMPORARY SHORING - INCLUDE THE COST OF TEMPORARY SHORING AS NECESSARY FOR BRIDGE CONSTRUCTION IN THE OVERALL BID SUBMITTED.

TEMPORARY BARRIERS, METHOD 4 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NO. 4960 TO PROVIDE FOR 2'-11" - 0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SECTION 622 OF THE GEORGIA DOT SPECIFICATIONS.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 656-5401. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER 1-75-3 (6) 361 AND WAS WIDENED UNDER PROJECT NUMBER PE1D-75-3 (103) AND PE1R-75-3 (152).

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS.

EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF EPOXY ADHESIVE AND ITS APPLICATION IN THE OVERALL BID SUBMITTED.

EXISTING REINFORCEMENT - BEND EXISTING REINFORCEMENT TO BE UTILIZED IN NEW CONSTRUCTION IN A MANNER TO PROVIDE THE MAXIMUM LAP POSSIBLE OR AS SHOWN ON THE PLANS. THOROUGHLY CLEAN EXISTING REINFORCEMENT OF CONCRETE SCALE AND RUST BEFORE BONDING INTO NEW CONSTRUCTION. WHERE EXISTING REINFORCEMENT TO BE RETAINED IN THE NEW CONSTRUCTION IS DAMAGED OR REMOVED, REPLACE WITH REINFORCEMENT OF THE SAME SIZE AND SPACING. WHERE APPLICABLE, ANCHOR BARS INTO EXISTING CONCRETE USING HILTI HY150 ADHESIVE ANCHOR SYSTEM OR EQUAL. PERFORM THIS WORK AT NO COST TO THE DEPARTMENT.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

EXISTING BRIDGE EXPANSION JOINTS - CLEAN EXISTING BRIDGE EXPANSION JOINTS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND SEAL JOINTS USING LOW DENSITY POLYETHYLENE SEAL AS PER SECTION 449.2.D OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE PRICE BID FOR PAY ITEM 449.

EXISTING CONSTRUCTION AND DUMMY JOINTS - CLEAN EXISTING BRIDGE CONSTRUCTION AND DUMMY JOINTS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AS PER SUB-SECTIONS 461.3.05.A OF THE GEORGIA DOT SPECIFICATIONS. SEAL JOINTS USING SILICONE SEALANT (TYPE B, C OR D) AS PER SUB-SECTIONS 461.3.05.C AND 833.2.06 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE OVERALL BID SUBMITTED.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE IS TO BE SALVAGED FOR USE BY THE GEORGIA DEPARTMENT OF TRANSPORTATION.

PAINT - CLEAN AND PAINT ALL NEW AND EXISTING STRUCTURAL STEEL AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. EXISTING STRUCTURAL STEEL HAS BEEN PAINTED WITH LEAD PAINT.

REMOVAL OF PARTS OF EXISTING BRIDGE - INCLUDE THE COST FOR REMOVAL OF PORTIONS OF EXISTING DECK SLAB, EDGE BEAMS, DIAPHRAGMS AND TOP OF BACKWALLS IN THE PRICE BID FOR ITEM 540 REMOVAL OF PARTS OF EXISTING BRIDGE.

EXISTING UTILITIES - MAINTAIN AND PROTECT EXISTING UTILITIES AT ALL TIMES DURING CONSTRUCTION. INCLUDE THE COST FOR THIS WORK IN THE OVERALL BID SUBMITTED.

CONCRETE CRACKS - SEAL CRACKS IN THE CONCRETE OVERLAY SURFACE PRIOR TO GROOVING IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER. INCLUDE THE COST IN THE PRICE BID FOR PAY ITEM 528 - EPOXY SEALING OF CONCRETE CRACKS.

EROSION CONTROL - FURNISH, INSTALL, MAINTAIN AND REMOVE THE EROSION CONTROL ITEMS REQUIRED BY THE ENGINEER TO FILTER RUN-OFF FROM HYDRO-DEMOLITION OPERATIONS. SUBMIT AN EROSION CONTROL PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. INCLUDE THE COST FOR THIS WORK IN THE OVERALL BID SUBMITTED.

SPALL REPAIR - REPAIR ALL SPALLS IN THE APPROACH SLABS IN ACCORDANCE WITH THE SPECIAL PROVISIONS, AS DIRECTED BY THE ENGINEER, PRIOR TO PLACING ASPHALT OVERLAY. INCLUDE THE COST IN THE PRICE BID FOR PAY ITEM 521 - PATCHING CONCRETE BRIDGE DECK.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF CLEANING AND BENDING OF EXISTING REINFORCEMENT, WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

PAINTING NOTES :

- CLEAN AND PAINT THE BRIDGE STRUCTURAL STEEL IN ACCORDANCE WITH SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS, PAINTING STRUCTURES. SYSTEM XI PAINT SHALL BE USED ON ALL EXPOSED SUPERSTRUCTURE STEEL.
- THE LEFT BRIDGE STRUCTURE IS 169 FT. LONG +/- WITH AN ESTIMATED AREA OF STEEL TO BE PAINTED OF 18,180 SF. THE RIGHT BRIDGE STRUCTURE IS 157 FT. LONG +/- WITH AN ESTIMATED AREA OF STEEL TO BE PAINTED OF 17,090 SF. PRIOR TO BIDDING, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MEASURE AND VERIFY THE AREA OF STEEL TO BE PAINTED.
- THE EXISTING PAINT ON THE BRIDGE STRUCTURAL STEEL IS A LEAD-BASED PAINT SYSTEM.
- AFTER THE PAINTING IS COMPLETED, STENCIL THE SERIAL NUMBER (LEFT BRIDGE= 047-0036-0, RIGHT BRIDGE = 047-0035-0) OF THE BRIDGES ON THE INSIDE FACE OF THE WEB OF THE FAR RIGHT BEAM NEAR BOTH THE FIRST AND THE LAST BENT (BOTH ENDS OF BRIDGE). USE A 5" HIGH NUMBER STENCIL AND BLACK PERMANENT PAINT. COSTS ASSOCIATED WITH THIS WORK, INCLUDING MATERIALS AND LABOR, ARE TO BE INCLUDED IN THE OVERALL BID SUBMITTED.
- PROTECT ALL EXISTING UTILITIES FROM DAMAGE CAUSED BY THE BLAST CLEANING, PAINT OVERSPRAY, OR ANY OTHER RELATED OPERATIONS. REPAIR ANY DAMAGE AT NO ADDITIONAL EXPENSE TO THE DEPARTMENT.
- NO MODIFICATION OF THE STRUCTURAL STEEL IS ALLOWED, INCLUDING BUT NOT LIMITED TO PUNCTURING, CUTTING, WELDING, OR OTHER OPERATIONS WHICH MODIFY THE STRUCTURAL INTEGRITY OF THE BRIDGE. REPAIR ANY DAMAGES TO THE STRUCTURAL STEEL CAUSED BY THE BLAST CLEANING OR ANY OTHER RELATED OPERATIONS, AT NO CHARGE TO THE DEPARTMENT. ALL REPAIRS ARE TO BE APPROVED BY THE ENGINEER.
- ALL CONCRETE AND OVERLAY WORK SHALL BE COMPLETED PRIOR TO BEGINNING PAINTING WORK.
- THE COST OF PAINTING NEW AND EXISTING STRUCTURAL STEEL SHALL BE INCLUDED IN THE PRICE BID FOR PAINT EXISTING STEEL STRUCTURE.

DESIGN DATA

SPECIFICATIONS ----- AASHTO 17TH EDITION 2002

TYPICAL HS20-44 AND/OR MILITARY LOADING ----- IMPACT ALLOWED

FUTURE PAVING ALLOWANCE ----- NONE

CONCRETE: DECK SLAB..... 24 HOUR ACCELERATED STRENGTH f_c = 3,500 PSI
EDGE BEAMS..... 24 HOUR ACCELERATED STRENGTH f_c = 3,500 PSI
BACKWALLS..... 24 HOUR ACCELERATED STRENGTH f_c = 3,500 PSI
DECK OVERLAY... 24 HOUR ACCELERATED STRENGTH f_c = 3,500 PSI

REINFORCEMENT STEEL: ----- GRADE 60, f_y = 60,000 PSI

STRUCTURAL STEEL ----- ASTM A709, GRADE 36

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITIES		UNIT	PAY ITEM
	LEFT BRIDGE	RIGHT BRIDGE		
449-1620	128	128	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BENT NO-1
449-1620	128	128	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BENT NO-4
500-0100	1140	1070	SY	GROOVED CONCRETE
501-3000	LUMP	----	LS	STR STEEL, BR NO - 2 LT (6100)
501-3000	----	LUMP	LS	STR STEEL, BR NO - 2 RT (6100)
504-0600	133	124	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONC
511-3000	LUMP	----	LS	SUPERSTR REINF STEEL, BR NO - 2 LT (32100)
511-3000	----	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 2 RT (31100)
519-0400	630	590	SY	CONCRETE OVERLAY, PORTLAND CEMENT, VARB THK
521-1000	200	200	SF	PATCHING CONCRETE BRIDGE DECK
528-0750	710	660	LF	EPOXY SEALING OF CONCRETE CRACKS
535-1105	LUMP	----		PAINT EXISTING STEEL STRUCTURE, BR ID - 047-00401D-351.39N
535-1105	----	LUMP		PAINT EXISTING STEEL STRUCTURE, BR ID - 047-00401D-351.38N
540-1202	LUMP	----		REMOVAL OF PARTS OF EXISTING BRIDGE, BR NO - 2 LT
540-1202	----	LUMP		REMOVAL OF PARTS OF EXISTING BRIDGE, BR NO - 2 RT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CSNHS-M002-00(790)	71	125

BRIDGE NO. 2 LT. & RT.



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GEORGIA
DEPARTMENT OF TRANSPORTATION
OPERATIONS DIVISION-OFFICE OF MAINTENANCE

DISTRICT 6 BRIDGE REPAIR
I-75 OVER (M-1137) THREE NOTCH ROAD
GENERAL NOTES

CATOOSA COUNTY CSNHS-M002-00(790)

SCALE: NO SCALE U.N.O. SEPTEMBER 2005

BRIDGE SHEET
2 OF 8

DESIGNED	MDT	CHECKED	GLE	REVIEWED	BFR
DRAWN	ITD	DESIGN GROUP	MAINTENANCE	APPROVED	BFR

11/8/2005